

FIG. 1

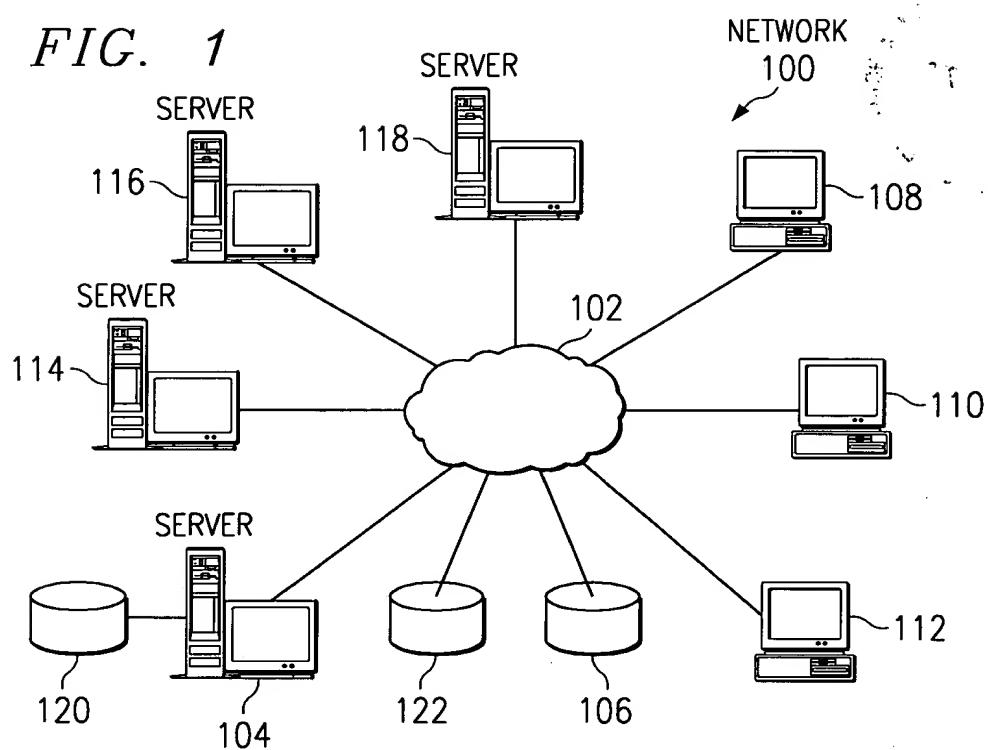
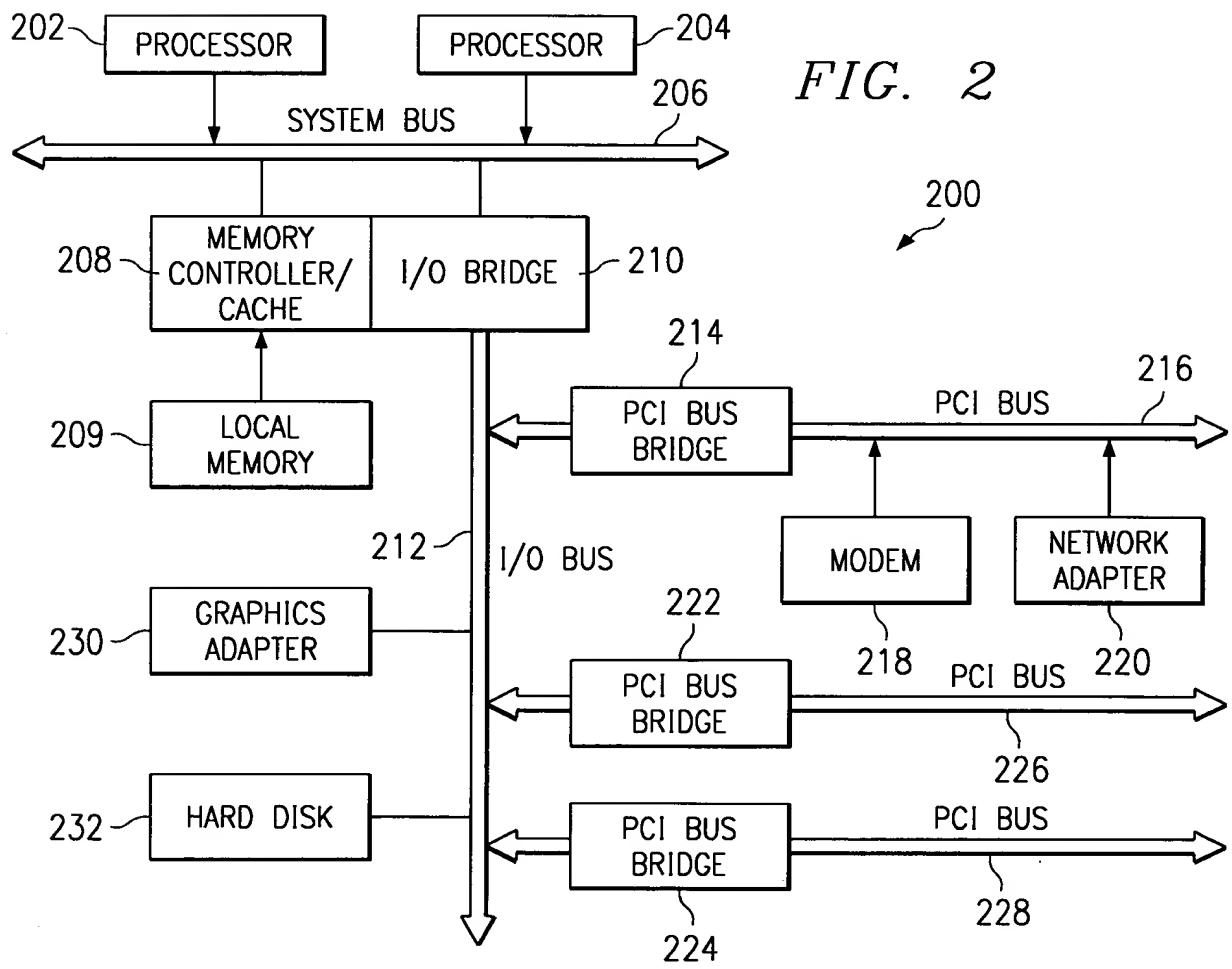


FIG. 2



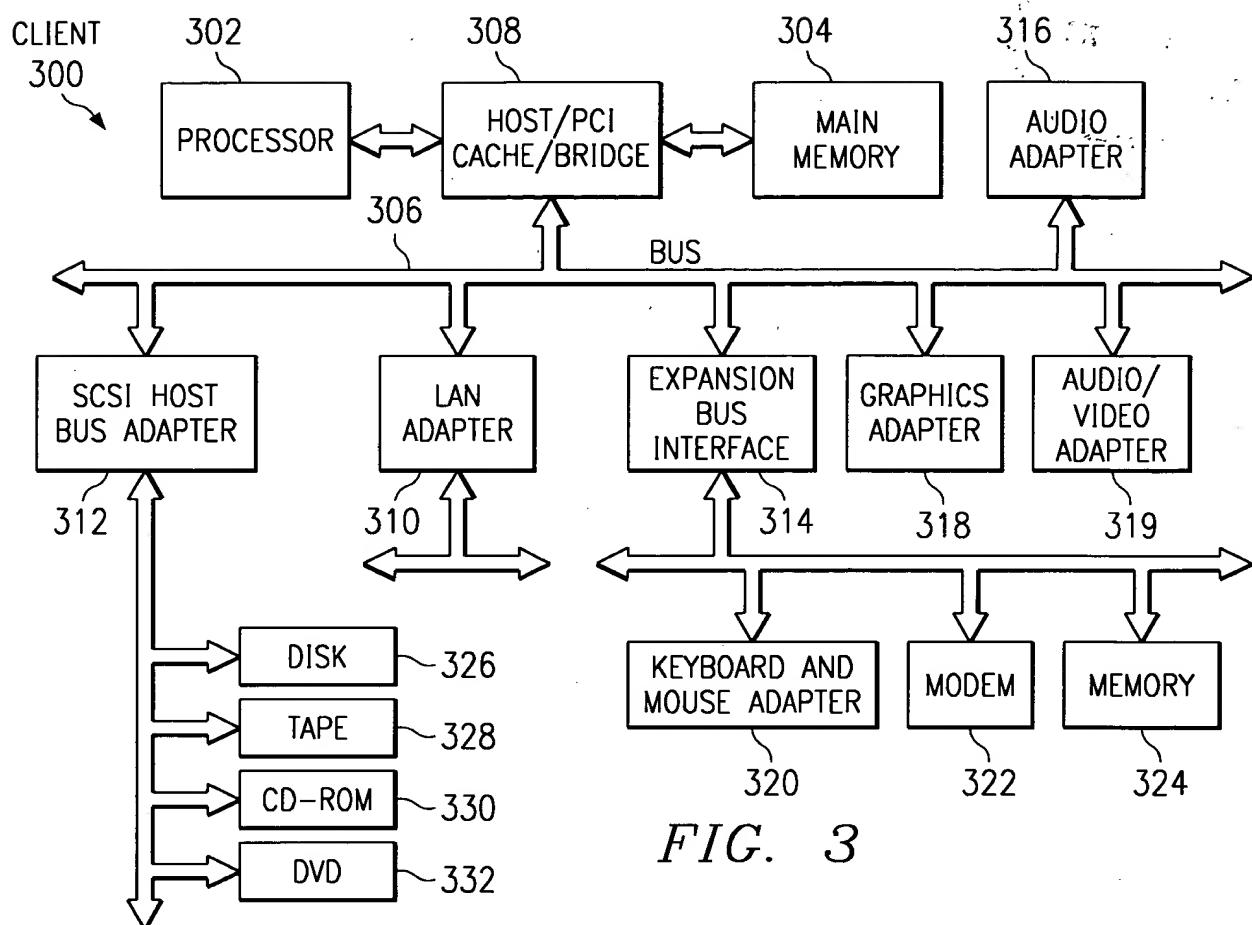


FIG. 3

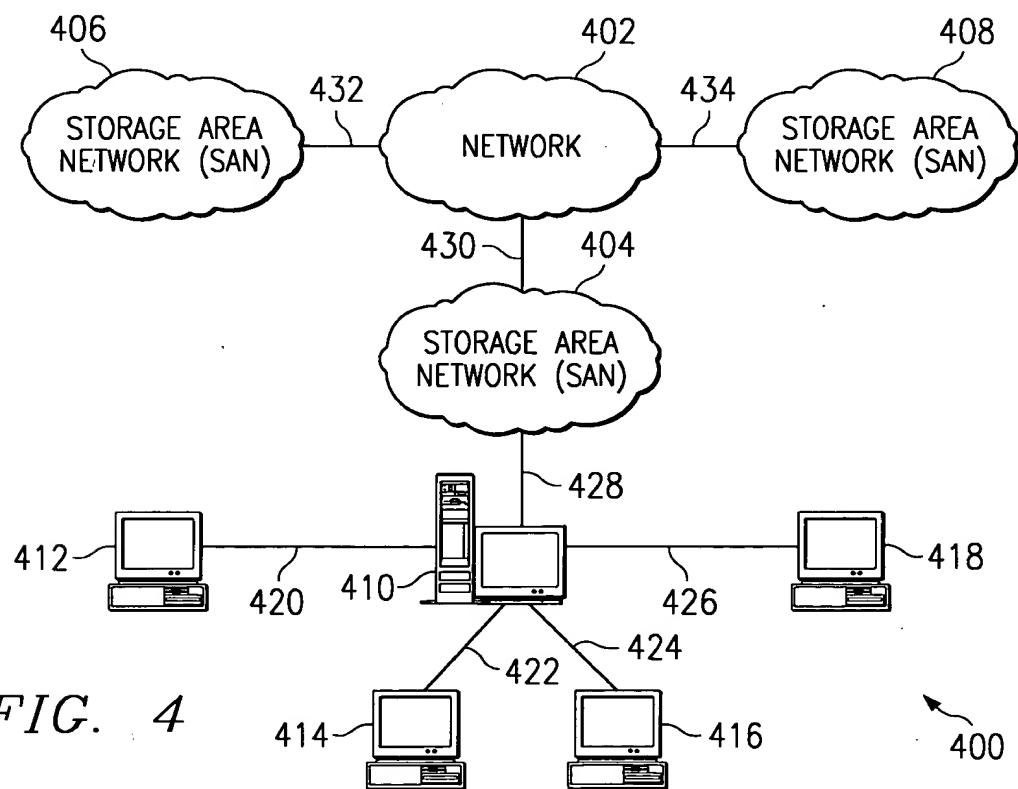


FIG. 4

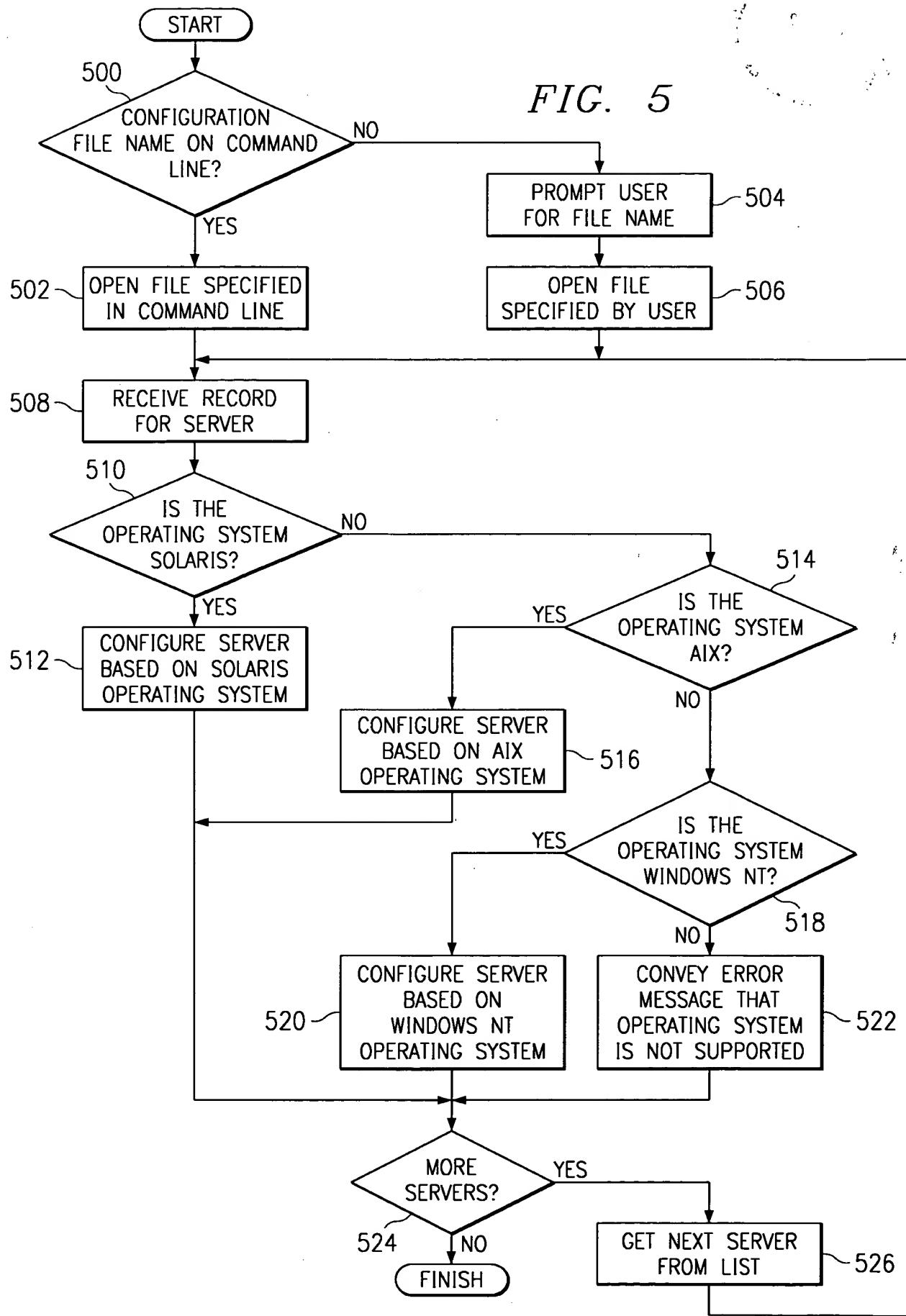


FIG. 6

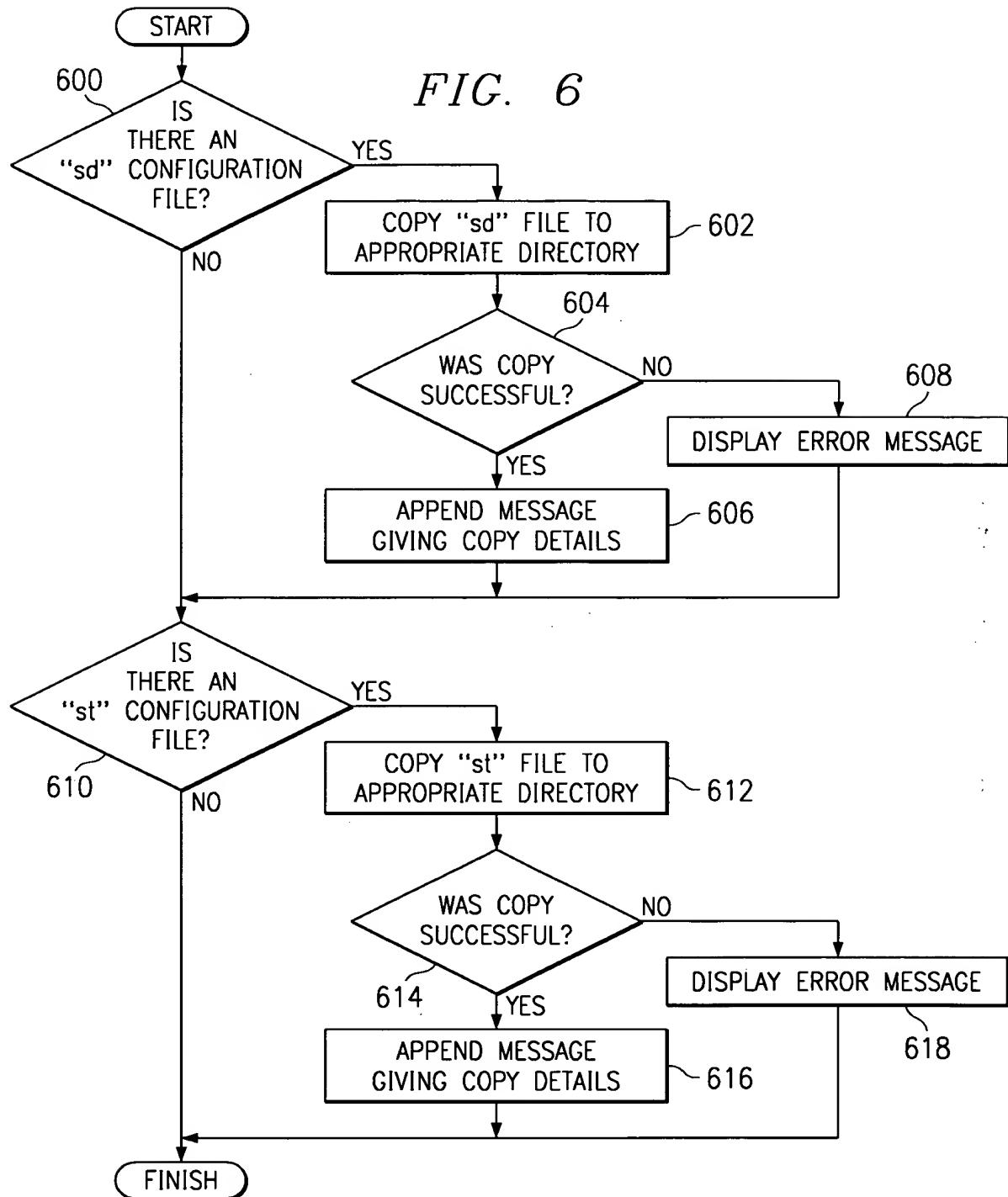


FIG. 7A

```
#####
# Written by Steve Lipton, with inputs from Rick Hamilton
# April 2, 2000
#####
#
```

Purpose: This script will install the SAN LUN configuration files on each server attaching to the fibre switch. It is intended to simplify the administrator's task by automating the configuration of server-to-disk relationships.

- # Input: 1) Input to this script is the name of the "Serving" system, on which the install code is located. This "server" could be any system in the network that has "rcp" and "rsh" capabilities with the respective workstations that will be identified as clients.
- 2) A list containing the ip addresses and the type of the operating system for the workstations on which the client configurator file is to be installed.

```
#####
# Copyright 2000, IBM Corporation. All rights reserved.
#####
#
```

```
#####
# First, create a list of the workstations who will be receiving the configuration
# files. This is provided by user entry of a filename to accomplish this.
#####
if [ $# = 0 ] then
    clear
    print "Please enter the name of the list containing the ip addresses of"
    print "the workstations that are to receive the configuration files"
    print
    read wplist
else
    wplist=$1
fi
```

```

#####
# method for installing configuration files for a Solaris system
# sd.conf contains the entries describing the LUN's that each HBA on each server has access to
# st.conf contains the entries describing the tape devices that each HBA on each server has access to
#####
exec 3<wslist
while read -u3 ipaddr ostype
do
  if $ostype == Solaris
  then
    if [ [ -o /usr/sys/inst.images/sol_sd.conf ] ] then
      rcp -p /usr/sys/inst.images/sd.conf $ipaddr:/kernel/drv/sd.conf # Solaris directory
      if [ [ $? = 0 ] ] then
        echo "Successfully copied SAN configuration file sd.conf to $ipaddr" >>/SAN.copy.config.file.log
        echo "Successfully copied SAN configuration file sd.conf to $ipaddr"
      else
        print "Unable to copy SAN config1 file sd.conf to $ipaddr"
      fi
    fi
  fi
  if [ [ -o /usr/sys/inst.images/sol_st.conf ] ] then
    rcp -p /usr/sys/inst.images/st.conf $ipaddr:/kernel/drv/st.conf # Solaris directory
    if [ [ $? = 0 ] ] then
      echo "Successfully copied SAN configuration file st.conf to $ipaddr" >>/SAN.copy.config.file.log
      echo "Successfully copied SAN configuration file st.conf to $ipaddr"
    else
      print "Unable to copy SAN config1 file st.conf to $ipaddr"
    fi
  fi
704
706
708

```

FIG. 7B

FIG. 7C

```
else
    if $ostype == AIX
        then
            if [ [ -a /usr/sys/inst.images/aix-sd.conf ] ] then
                rcp -p /usr/sys/inst.images/sd.conf $ipaddr:/kernel/drv/sd.conf # AIX directory
                if [ [ $? = 0 ] ] then
                    echo "Successfully copied SAN configuration file sd.conf to $ipaddr" >>/SAN.copy.config.file.log
                    echo "Successfully copied SAN configuration file sd.conf to $ipaddr"
                else
                    print "Unable to copy SAN config1 file sd.conf to $ipaddr"
                fi
            fi
            if [ [ -a /usr/sys/inst.images/aix_st.conf ] ] then
                rcp -p /usr/sys/inst.images/st.conf $ipaddr:/kernel/drv/st.conf #AIX directory
                if [ [ $? = 0 ] ] then
                    echo "Successfully copied SAN configuration file st.conf to $ipaddr" >>/SAN.copy.config.file.log
                    echo "Successfully copied SAN configuration file st.conf to $ipaddr"
                else
                    print "Unable to copy SAN config1 file st.conf to $ipaddr"
                fi
            fi
        fi
    fi
```

FIG. 7D

```
if $ostype == Nt
then
    if [ [ -a /usr/sys/inst.images/nt_sd.conf ] ] then
        rcp -p /usr/sys/inst.images/sd.conf $ipaddr:/kernel/drv/sd.conf # Windows NT directory
        if [ [ $? = 0 ] ] then
            echo "Successfully copied SAN configuration file sd.conf to $ipaddr" >>/SAN.copy.config.file.log
            echo "Successfully copied SAN configuration file sd.conf to $ipaddr"
        else
            print "Unable to copy SAN config1 file sd.conf to $ipaddr"
        fi
    fi
else
    if [ [ -a /usr/sys/inst.images/nt_st.conf ] ] then
        rcp -p /usr/sys/inst.images/st.conf $ipaddr:/kernel/drv/st.conf #Windows NT directory
        if [ [ $? = 0 ] ] then
            echo "Successfully copied SAN configuration file st.conf to $ipaddr" >>/SAN.copy.config.file.log
            echo "Successfully copied SAN configuration file st.conf to $ipaddr"
        else
            print "Unable to copy SAN config1 file st.conf to $ipaddr"
        fi
    fi
done
714
```